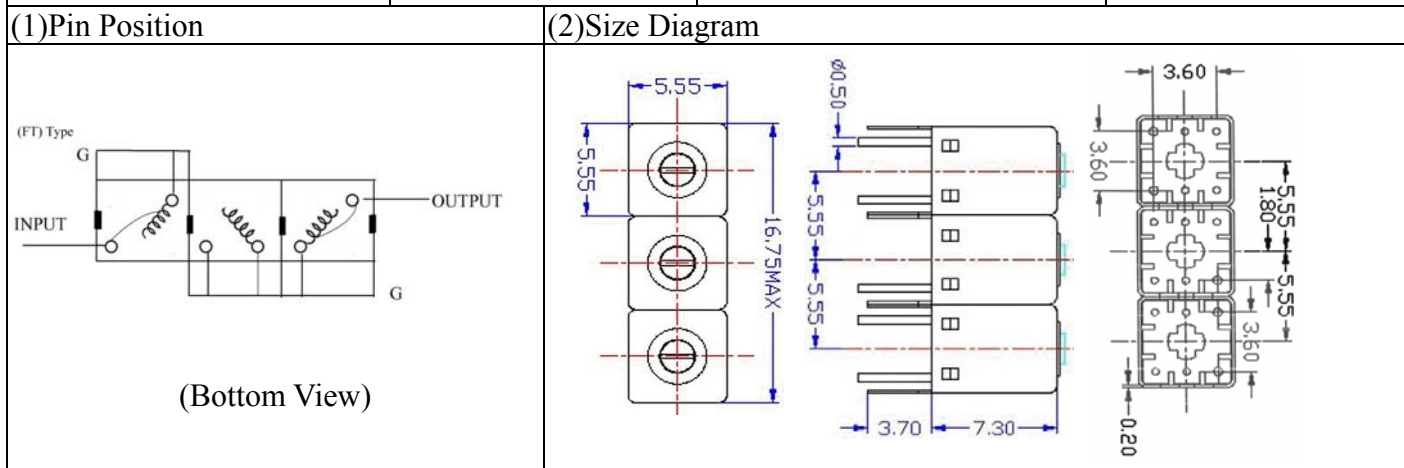


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	K3RFT-518M-40M
Approval No. /dated	0909063CD	Temwell's Print Name	K3RFT 518M
Work Instruction No.	200909063CD	Date	Oct.15.2009



(3)Electric Chararistic

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	518 MHz	518 MHz	
Insertion Loss	Typ. 4.0 dB	1.73 dB	
-3 dB Bandwidth	Typ. 40 MHz	44.5 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 20 dBc	22 dBc
	Fo + 50 MHz	Typ. 17 dBc	23 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	22.8 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

(4)Torque for Tuning Screw

(4)Torque for Tuning Screw	> 60gf • cm
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(5)Temperature Condition:

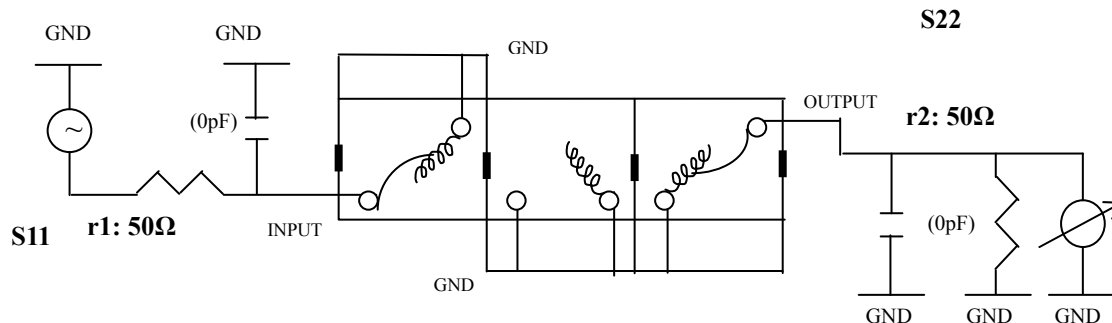
Operating Temperature	0°C ~ +60°C
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Storage Temperature	-20°C ~ +70°C
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(6)Input Power

(6)Input Power	> 0.5Watt
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(7)Measuring Circuit: ※Easy to match Impedance S11/S22 50Ω by parallel with about(0pF) / (0pF).



(Bottom View)

Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.K.Chang	H.Y.Hui	5R3(3.8*3.7)(3.82) (5HW02RB3.5) (5HW020RB4.5)

TEMWELL CORPORATION

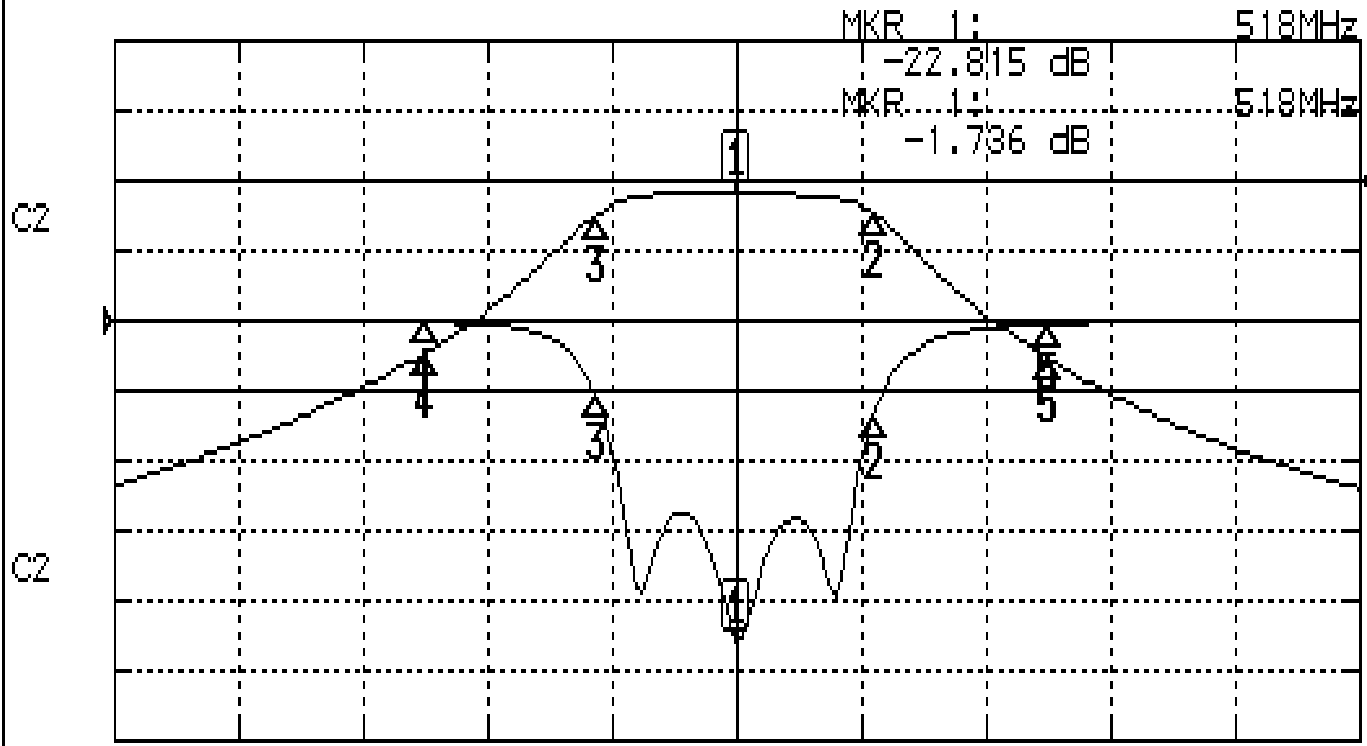
TEMWELL

Form10-5R3FT Vision D RP(w.w.w)

Performance-K3RFT-518M-40M

200909063CD

CH1 S11 LOG MAG REF 0.000 dB 5.000 dB/
CH2 S21 LOG MAG REF 0.000 dB 10.000 dB/



CENTER 518MHz

[10.00 dBm]

SPAN 200MHz

CH1 MARKER LIST

1:	518.000MHz	-22.819	dB
2:	540.000MHz	-6.768	dB
3:	495.500MHz	-5.452	dB
4:	468.000MHz	-0.068	dB
5:	568.000MHz	-0.252	dB

CH2 MARKER LIST

1:	518.000MHz	-1.736	dB
2:	540.000MHz	-4.734	dB
3:	495.500MHz	-4.758	dB
4:	468.000MHz	-24.577	dB
5:	568.000MHz	-25.497	dB